

Supplementary file 2. Examples of SNP clusters obtained in the F2 mapping population used by Plomion *et al.* (2015) with GenomeStudio software (Illumina). *X*-axis: normalized *Theta* values ranged from 0 (homozygous for one allele) to 1 (homozygous for the alternative allele). *Y*-axis: normalized sum of fluorescence intensities for the two fluorochromes used in the Illumina Infinium assay. Panel A shows an accurate genotype call for a polymorphic SNP (in this case $\frac{1}{4}$ AA, $\frac{1}{2}$ Aa, $\frac{1}{4}$ aa Mendelian segregation ratios, as expected for a biallelic codominant SNP segregating in a three-generation inbred F2 family). Panel B shows an accurate genotype call for a monomorphic SNP. Panel C shows a failed assay with low fluorescence intensity. The two grandparents of the F2 progeny are indicated by blue dots and the hybrid parent is indicated by green dots. The other colored dots correspond to the F2 offspring.

